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ATTORNEY'S DOCKET NO: H00535.70009.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JUL 11 2003

Applicant: Howard Green
Serial No.: 09/359,920
Filed: July 22, 1999
For: TRANSGLUTAMINASE LINKAGE OF AGENTS TO TISSUE
Confirmation No. 3457
Examiner: David M. Naff
Art Unit: 1651

TECH CENTER 1600/2900

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, on the 7th day of July 2003.


Janice A. Vatland, Reg. No.: 52,318

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:


Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement
- ☒ PTO Form 1449 with cited references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$180 is enclosed to cover the filing fee. If the fee is insufficient, the balance may be charged to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,
Howard Green, Applicant

By: 
Janice A. Vatland, Ph.D., Reg. No.: 52,318
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210
Telephone (617) 720-3500

Docket No. H00535.70009.US
Dated: July 7, 2003
xNDDx

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ATTORNEY'S DOCKET NO: H00535.7009 US

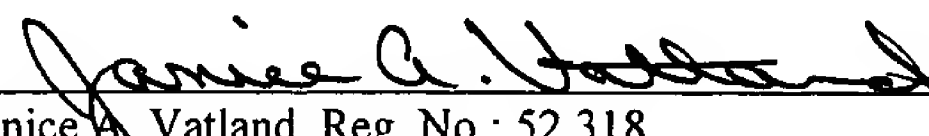
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Janice A. Vatland, Reg. No.: 52,318

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

PART II: - Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

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PART III: Remarks

A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

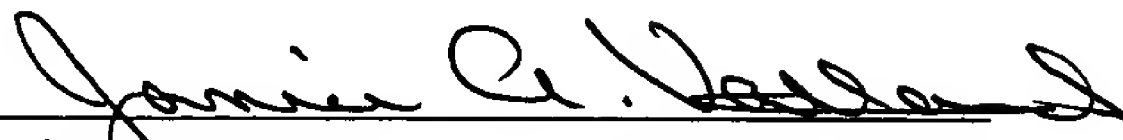
By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

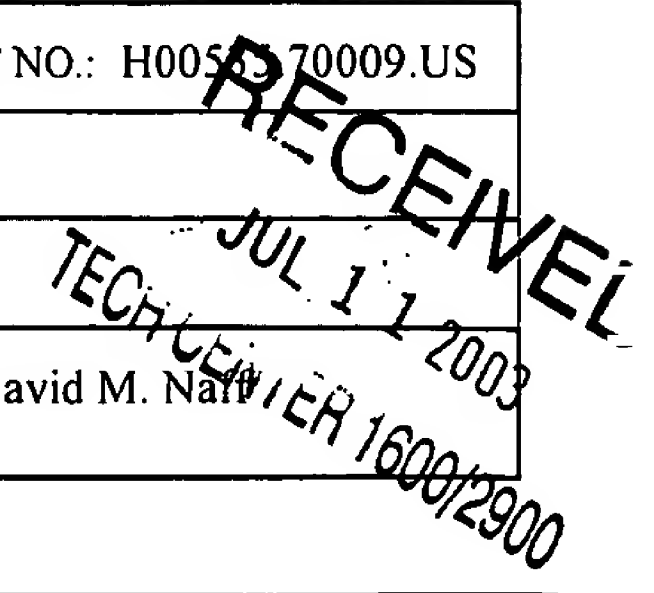
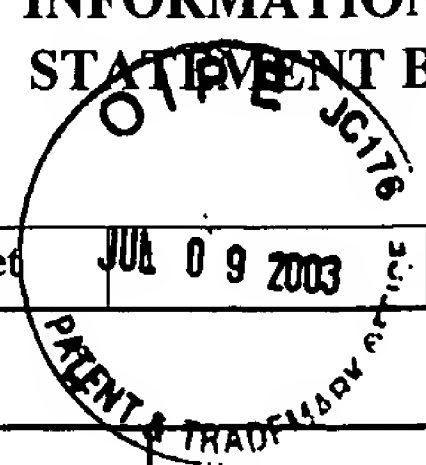
Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

Respectfully submitted,
Howard Green, Applicant

By: 
Janice A. Vatland, Ph.D., Reg. No.: 52,318
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210
Telephone (617) 720-3500

Docket No. H00535.70009.US
Dated: July 7, 2003
xNDDx

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: H005670009.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Naff
Sheet	JUL 09 2003	of	8



U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A94	3,867,365		Stahmann et al.	02-18-1975
	A95	3,979,508		Stahmann et al.	09-07-1976
	A96	4,152,411		Schall, Jr.	05-01-1979
	A97	4,543,325		Albert et al.	09-24-1985
	A98	4,626,495		Sakaguchi	12-02-1986
	A99	4,645,503		Lin et al.	02-24-1987
	A100	4,663,286		Tsang et al.	05-05-1987
	A101	4,680,338		Sundoro	06-14-1987
	A102	4,701,521		Ryser et al.	10-20-1987
	A103	4,744,933		Rha et al.	05-17-1988
	A104	4,749,620		Rha et al.	06-07-1988
	A105	4,847,240		Ryser et al.	07-11-1989
	A106	4,908,404		Benedict et al.	03-13-1990
	A107	5,017,229		Burns et al.	05-21-1991
	A108	5,098,833		Lasky et al.	03-24-1992
	A109	5,132,230		Rosenthal et al.	06-21-1992
	A110	5,263,992		Guire	11-23-1993
	A111	5,358,706		Marlin et al.	10-25-1994
	A112	5,366,958		Weiner et al.	11-22-1994
	A113	5,405,939		Suhadolnik et al.	04-11-1995
	A114	5,409,904		Hecht et al.	04-25-1995
	A115	5,461,081		Ali et al.	10-24-1995
	A116	5,470,829		Prisell et al.	11-28-1995
	A117	5,470,956		Hayashi et al.	11-28-1995
	A118	5,487,977		da Weck	01-30-1996
	A119	5,505,952		Jiang et al.	04-09-1996
	A120	5,510,329		Belkin et al.	04-23-1996
	A121	5,521,291		Curiel et al.	05-28-1996

EXAMINER	DATE CONSIDERED
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.] [NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: 09/359,920.09.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. [unclear]
Sheet	JUL 09 2003	of	8

	U.S. Patent Document			
	A122	5,523,222	Page et al.	06-04-1996
	A123	5,548,064	Russell-Jones et al.	08-20-1996
	A124	5,559,104	Romeo et al.	09-24-1996
	A125	5,576,188	Schlaeppli et al.	11-19-1996
	A126	5,578,598	Abe et al.	11-26-1996
	A127	5,587,175	Viegas et al.	12-24-1996
	A128	5,591,648	Hayashi et al.	01-07-1997
	A129	5,593,658	Bogdanov et al.	01-14-1997
	A130	5,595,897	Midoux et al.	01-21-1997
	A131	5,620,013	Bretton	04-15-1997
	A132	5,629,011	Illum	05-13-1997
	A133	5,635,380	Naftilan et al.	06-03-1997
	A134	5,635,383	Wu et al.	06-03-1997
	A135	5,635,385	Leopold et al.	06-03-1997
	A136	5,635,447	Sanders	06-03-1997
	A137	5,646,133	Sanders	06-08-1997
	A138	5,658,592	Tanihara et al.	08-19-1997
	A139	5,660,851	Domb	08-26-1997
	A140	5,677,276	Dickerson et al.	10-14-1997
	A141	5,681,568	Goldin et al.	11-28-1997
	A142	5,686,113	Speaker et al.	11-11-1997
	A143	5,693,509	Cotton et al.	12-02-1997
	A144	5,705,270	Soon-Shiong et al.	01-06-1998
	A145	5,718,900	Hill et al.	02-17-1998
	A146	5,738,864	Schacht et al.	04-14-1998
	A147	5,756,069	Torchilin et al.	05-26-1998
	A148	5,766,585	Evans et al.	06-16-1998
	A149	5,770,229	Tanihara et al.	06-23-1998
	A150	5,770,628	Cantoro	06-23-1998
	A151	5,780,054	A1 Tardi et al.	07-14-1998

EXAMINER	DATE CONSIDERED
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FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: H06536-70009.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Napp
Sheet 3 of 8			

	U.S. Patent Document			
	A152	5,783,566	Mislick	07-21-1998
	A153	5,783,669	Hawkins et al.	07-21-1998
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	A155	5,792,645	Beug et al.	08-11-1998
	A156	5,795,860	Witt et al.	08-18-1998
	A157	5,830,731	Seed et al.	11-03-1998
	A158	5,830,913	Ogawa et al.	11-03-1998
	A159	5,834,444	Falk et al.	11-10-1998
	A160	5,837,533	Boutin	11-17-1998
	A161	5,837,747	Soon-Shiong et al.	11-17-1998
	A162	5,842,477	Naughton et al.	12-01-1998
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	A164	5,851,229	Lentz et al.	12-22-1998
	A165	5,851,527	Hansen	12-22-1998
	A166	5,858,746	Hubbell et al.	01-12-1999
	A167	5,861,156	George et al.	01-19-1999
	A168	5,869,466	Russell-Jones et al.	02-09-1999
	A169	5,871,710	Bogdanov et al.	02-16-1999
	A170	5,874,297	Wu et al.	02-23-1999
	A171	5,874,500	Rhee et al.	02-23-1999
	A172	5,876,698	Schmitt-Willich et al.	03-02-1999
	A173	5,876,744	Della Valle et al.	03-02-1999
	A174	5,882,645	Toth et al.	03-16-1999
	A175	5,885,609	Amiji	03-23-1999
	A176	5,902,795	Toole et al.	05-11-1999
	A177	5,922,859	Birnstiel et al.	07-13-1999
	A178	5,925,626	della Valle et al.	07-20-1999
	A179	5,939,323	Valentini et al.	08-17-1999
	A180	5,945,100	Fick	08-31-1999
	A181	5,955,578	Pierschbacher et al.	09-21-1999

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		GROUP ART UNIT: 1651	EXAMINER: David M. Hoff
Sheet 4	of 8		

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		U.S. Patent Document			
	A182	5,962,015		Delrieu et al.	10-05-1999
	A183	5,965,152		Galin et al.	10-12-1999
	A184	5,965,404		Buschle et al.	10-12-1999
	A185	5,965,532		Bachovchin	10-12-1999
	A186	5,968,500		Robinson	10-19-1999
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	A188	5,972,326		Galin et al.	10-26-1999
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	A195	6,007,816		St. John et al.	12-28-1999
	A196	6,022,735	A1	Curiel et al.	02-08-2000
	A197	6,022,866		Falk et al.	02-08-2000
	A198	6,025,138		Hawkins et al.	02-15-2000
	A199	6,025,337		Truong et al.	02-15-2000
	A200	6,027,741		Cialdi et al.	02-22-2000
	A201	6,030,958		Burns et al.	02-29-2000
	A202	6,037,329		Baird et al.	03-14-2000
	A203	6,037,467		Stahl et al.	03-14-2000
	A204	6,054,312		Larocca et al.	04-25-2000
	A205	6,054,313		Bryan et al.	04-25-2000
	A206	6,069,133		Chiou et al.	05-30-2000
	A207	6,077,663		Curiel et al.	06-20-2000
	A208	6,086,863		Ritter et al.	07-11-2000
	A209	6,089,234		Bretton et al.	07-18-2000
	A210	6,103,525		Stern et al.	08-15-2000
	A211			number not used	

EXAMINER	DATE CONSIDERED
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FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: H00535,70009.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT JUL 8 9 2003 PATENT & TRADEMARK OFFICE		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Naff
Sheet 5	of 8		

	U.S. Patent Document			
	A212	6,107,326	Jori et al.	08-22-2000
	A213	6,110,208	Soranzo et al.	08-29-2000
	A214	6,123,965	Jacob et al.	09-26-2000
	A215	6,127,170	Boutin et al.	10-03-2000
	A216	6,127,448	Domb	10-03-2000
	A217	6,129,956	Morra et al.	10-10-2000
	A218	6,132,462	Li	10-17-2000
	A219	6,136,793	Falk et al.	10-24-2000
	A220	6,138,680	Bretton	10-31-2000
	A221	6,159,955	Asculai et al.	12-12-2000
	A222	6,166,130	Rhee et al.	12-26-2000
	A223	6,177,259	B1 Yuan et al.	01-23-2001
	A224	6,200,595	B1 Motoyashiki et al.	03-13-2001
	A225	6,221,397	B1 Russell-Jones et al.	04-24-2001
	A226	6,221,959	B1 Kabanov et al.	04-24-2001
	A227	6,224,893	B1 Langer et al.	05-01-2001
	A228		number not used	
	A229	6,235,726	B1 Burns et al.	05-22-2001
	A230	6,251,392	B1 Hein et al.	06-26-2001
	A231	6,251,599	B1 Chen et al.	06-26-2001
	A232	6,271,216	B1 Mello et al.	08-07-2001
	A233	6,271,344	B1 Turley	08-07-2001
	A234	6,280,745	B1 Flore et al.	08-28-2001
	A235	6,281,192	B1 Leahy et al.	08-28-2001
	A236	6,281,341	B1 Mares-Guia et al.	08-28-2001
	A237	6,323,278	B2 Rhee et al.	11-27-2001
	A238	6,331,289	B1 Klaveness et al.	12-18-2001
	A239	6,348,508	B1 Denick, Jr. et al.	02-19-2002
	A240	6,353,022	B1 Schneider et al.	03-05-2002
	A241	6,353,055	B1 Kabanov et al.	03-05-2002

EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Naff
Sheet 6 of 8	RECEIVED JUL 11 2003 1600/2900		

	U.S. Patent Document			
A242	6,355,690	B1	Tsuji	03-12-2002
A243	6,368,586	B1	Jacob et al.	04-09-2002
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A251	20020019439	A1	Grieco et al.	02-14-2002
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A254	5,620,013		Bretton	04-15-1997
A255	4,048,301		Papantoniou	09-13-1977
A256	3,990,459		Papantoniou	11-09-1976

FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	B41	CA	2245310	A1	Regents of the University of Minnesota	02-19-1999	
	B42	DE	4335025	A1	Boehringer Ingelheim Int GmbH	04-20-1995	Abstract only
	B43	EP	0107053	A2	Otsuka Pharmaceutical Co. Ltd	05-02-1984	
	B44				number not used		
	B45	EP	0111385	A2	Dow Corning Corporation	06-20-1984	
	B46	EP	0359996	A2	Bio-Polymers, Inc.	03-28-1990	
	B47	EP	0421478	A2	Mitsubishi Kasei Corporation	04-10-1991	
	B48	EP	0499164	A1	C.R. Bard, Inc.	08-19-1992	
	B49	EP	0693293	A1	Terumo Kabushiki Kaisha	01-24-1996	

EXAMINER	DATE CONSIDERED
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FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: H08535.10009.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Naff
Sheet	JUL 09 2003	of 8	

		Foreign Patent Document					
	B50	EP	0725141	A1	Tovarischestvo S. Organichennoi Otvetstvennostju "Bioprogress"?	08-07-1996	
	B51	EP	0727223	A1	Hisamitsu Pharmaceutical Co. Inc.	08-21-1996	
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	B54	EP	0992794	A2	Nichirei Corporation	04-12-2000	
	B55	EP	0999278	A1	Universite Paris VII	05-10-2000	
	B56	EP	1067116	A1	The Procter & Gamble Company	01-10-2001	
	B57	EP	1067117	A1	The Procter & Gamble Company	01-10-2001	
	B58	EP	1067173	A1	The Procter & Gamble Company	01-10-2001	
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	B60	FR	2092875	A	Maes RFE	1972	Abstract only
	B61	FR	2719316	A1	IDM Immuno-Designed Molecules	11-03-95	Abstract only
	B62	GB	2038628	A	Searle & Co G D	07-30-80	Abstract only
	B63	JP	1097861	A	Shoji S	04-17-89	Abstract only
	B64	JP	2193914	A	Sumitomo Seiyaku KK	07-31-90	Abstract only
	B65	JP	4215760	A	Sumitomo Bakelite Co	08-06-92	Abstract only
	B66	JP	4244015	A	Sekisui Chem Ind Co Ltd	09-01-92	Abstract only
	B67	JP	7216000	A	Kiyomizu N; Shibayagi KK	08-15-95	Abstract only
	B68	JP	57163318	A	Otsuka Pharm Co Ltd	10-07-82	Abstract only
	B69	JP	58225028	A	Otsuka Pharm Co Ltd	12-27-83	Abstract only
	B70	JP	61073665	A	Kumabe K	04-15-86	Abstract only
	B71	JP	63253028	A	Kao Corp	10-20-88	Abstract only
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	B73	WO	9530020	A1	Immuno-Designed Molecules	11-9-1995	
	B74	WO	01/32850	A1	China Sinda Intellectual Property Ltd.		Abstract only

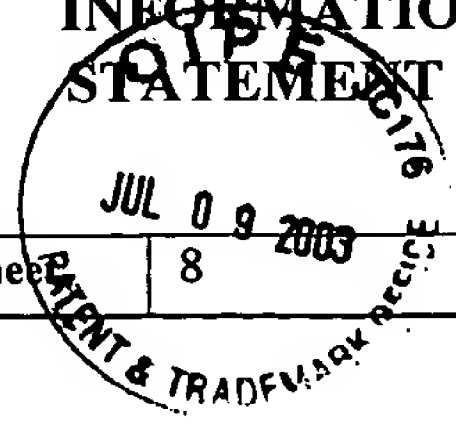
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FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 09/359,920	ATTY. DOCKET NO.: H00535.70009.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE:	July 22, 1999
		APPLICANT:	Howard Green
		GROUP ART UNIT: 1651	EXAMINER: David M. Naff
Sheet 8 of 8			



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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C14	Jian et al., <i>Biosci. Biotech. and Biochem.</i> , 61(1):188-190, 1997 Abstract only	
	C15	number not used	
	C16	<i>Chemical Abstracts</i> , 89:18 (1978)	
	C17	<i>Chemical Abstracts</i> , 89:292 (1978)	
	C18	Nogawa et al., <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 26:821-822, 1999	
	C19	Blackwell et al., <i>Federation Proceedings</i> , 36(1):98-101, 1973	
	C20	Smith et al., <i>Arthritis & Rheumatism</i> , 37(1):125-136, 1994	
	C21	Hembry et al., <i>Am. J. Path.</i> 143(2):628-642, 1993	
	C22	Park et al., <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 26:823-824, 1999	
	C23	Anderson, <i>Annals New York Academy of Sciences, Dept of Pathology and Macromolecular Science, Case Western Reserve University, Cleveland Ohio, 44106, "Poly (amino acids)", pp67-75</i>	
	C24	Li et al., <i>Cancer Res</i> , 58:2404-2409, 1981	
	C25	Cera et al., <i>Anti-Cancer Drug Design</i> , 7:143-151, 1992	
	C26	Park et al., <i>Prep Biochem Biotechnol</i> , 29(4):353-370, 1999 Abstract only	
	C27	Hu et al., <i>Tissue Engineering</i> , 6(6):558-593(9), 2000	
	C28	Mayurama, et al., <i>Bioconjug Chem</i> , 9(2):292-299, 1998 Abstract only	
	C29	Asayama et al., <i>Bioconjug Chem</i> , 10(2):246-253, 1999 Abstract only	
	C30	Hu et al., <i>J. Biomed Mat Res</i> , 47(1):79-84, 1999 Abstract only	
	C31	Zu, et al. <i>Biosci. Biotech Biochem</i> , 61(1):188-190, 1997	
	C32	Asayama et al., <i>Bioconjug Chem</i> , 9:476-481, 1998	

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